Barnhill Memorial Middle School

**Grade 6 Science Syllabus (2012-2013)**

**Teachers:** Mary JoMurphy (French Immersion)

Lori Pattison (English)

**Evaluation:**

* Tests/Quizzes
* Assignments/Projects
* Science Literacy/Journals
* Scientific Methodology/Glossary

**Materials needed:**

* 2 yellow duo-tangs and 2 Hilroy notebooks
* Inquiring mind

**Topics to be Covered:**

**Life Science- Diversity of Life:** This unit introduces students to the variety of life forms available for observation. By making comparisons, it is important to notice features that are common and those which distinguish an organism. Formal classification is more in later grades, but developing a system to organize the variety of organisms studied is an important feature of this unit.

**Physical Science- Electricity:** This unit builds on previous experiences that involved electrostatic and magnetic forces. Activities are designed to show students what we recognize as electricity, how it can be controlled, and how it can be used. Description should be qualitative and encourage students to appreciate this generation, transmission and use of electrical energy.

**Earth and Space Science- Space:** This unit offers an opportunity to explain why we experience daily and seasonal changes on Earth. Studying components of the solar system and beyond will generate interest in seeking better information. This necessitates travel from Earth into space. The challenges presented by space travel are an integral part of this unit.

**Physical Science- Flight:** Flight provides opportunities to discover the link between scientific principles and technology. In studying the effects of gravity, lift, drag and propulsion, students are drawn into questions of design and materials. A variety of factors that affect motion through a fluid are open for investigation.

**\*\*\* Subject to Change \*\*\***